Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/02/2018 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125476	0	1.62	125295	1.55
Blue	F	SSC	125000	121974	-3	3.30	122118	2.94
Blue	E	FITC	23615	22742	-4	2.63	1014	10.79
Blue	D	PE	26739	26461	-2	2.21	947	10.08
Blue	B	PerCP-Cy5-5	48339	47052	-3	3.63	1356	17.45
Blue	A	PE-Cy7	45021	44930	-1	5.34	707	36.85
Red	C	APC	53064	51626	-3	2.70	2952	9.57
Red	A	APC-Cy7	57175	56513	-2	2.74	1202	11.46
Violet	B	V450	14728	13938	-6	5.12	667	9.86
Violet	A	V500	58621	56571	-4	4.92	2502	7.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19693	2.61	612	-2	N/A	N/A	Pass
Blue	F	SSC	60309	1.64	555	9	N/A	N/A	Pass
Blue	E	FITC	112	40.59	548	0	0.0187	143	Pass
Blue	D	PE	208	30.61	540	4	0.1607	295	Pass
Blue	B	PerCP-Cy5-5	212	47.86	638	3	0.0096	153	Pass
Blue	A	PE-Cy7	72	129.04	698	5	0.0108	17	Pass
Red	C	APC	338	28.53	599	2	0.0199	74	Pass
Red	A	APC-Cy7	132	40.32	584	4	0.0050	1412	Pass
Violet	B	V450	81	45.49	465	-5	0.0443	2263	Pass
Violet	A	V500	182	25.59	492	-5	0.0152	1260	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.90	-31.40	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	17.58	14.40 - 21.60	N/A	N/A	31.05	31.53	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10504

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments